

(For JSPS Fellow)

Form B-5

Date (日付)

22/10/2013 (Date/Month/Year: 日/月/年)

Activity Report -Science Dialogue Program-
(サイエンス・ダイアログ事業 実施報告書)

- Fellow's name (講師氏名): Risky Ayu Kristanti (ID No. P 13047)

- Participating school (学校名): Aichi Prefectural Jishukan Senior High School

- Date (実施日時): 19/10/2013 (Date/Month/Year: 日/月/年)

- Lecture title (講演題目): Rhizoremediation is a new happiness for aquatic environments

根圏浄化法を活用した水環境の幸福の創出

- Lecture summary (講演概要): Please summary your lecture 200-500 words.

My lecture started by introducing myself, why I selected Japan, my home country, Indonesia and some environmental current issues. Then I talked about my educational background and why I decided to dedicate my life as scientist. It was continued by explaining about what I did in my PhD and my current research. I have shown how rhizoremediation creates a happiness for aquatic environments. To make students more active I have prepared two experiments. Accompanied person and high school teachers helped me to divide the students into 4 groups, 2 groups performed experiment on water quality analysis and the rest performed bacteria gram staining analysis. Two samples of water (pond water and activated sludge water) and two different bacteria species were prepared in my laboratory a day before. Because of some technical problems of equipment (Unsuitable microscopes) that provided by school, the students could not successfully see the differentiate of two type bacteria gram. However, students have enjoyed and clearly understand the necessity of experiments.

- Language used (使用言語): English and Japanese

- Lecture format (講演形式):

◆Lecture time (講演時間) 90 min (分), Q&A time (質疑応答時間) 30 min (分)

◆Lecture style (ex.: used projector, conducted experiments)

(講演方法 (例: プロジェクター使用による講演、実験・実習の有無など))

Power point presentation and conducted experiments

◆Interpretation (ex.: assistance by accompanied person, provided Japanese explanation by yourself) (通訳 (例: 同行者によるサポート、講師本人による日本語説明))

Assistanced by accompanied person

◆Name and title of accompanied person (同行者 職・氏名)

Mr. Yoshiyuki Hachiya (Master student of Osaka University)

◆Other note worthy information (その他特筆すべき事項):

- Impressions and opinions from accompanied person (同行者の方から、本事業に対する意見・感想等がありましたら、お願いいたします。):

今後、大学に進学し、研究に取り組む高校生にとって、大学で実際に研究している外国人の研究者の話を聞いたり、質問したりすることができる機会は大変貴重なものになると思います。生徒たちも積極的に英語で質問、実験に取り組んでおり、有意義な時間になったと思います。しかし、講義が2時間しかないこと、講師1人に対し生徒が40人近くいたことから、ゆっくりと話をし、実験に取り組む時間がなかったように感じました。もう少し少人数で、長い時間をゆっくり使うことができれば生徒一人ひとりと深く交流ができたと思います。